

What is claimed is:

1. A digital still camera comprising an image pickup device for photographing a subject, and an image processor adapted to drive and control the image pickup device, to process photographic signals
5 outputted from the image pickup device and to record the processed images in a recorder, said image processor comprising digitally zooming unit for selected a part of a photographic image plane photographed by the image pickup device and digitally zooming said part of the image, said image pickup device possessing two or more driving modes having
10 respectively different numbers of pixels to be read out from the image pickup device, said digital still camera enabling at least either one of monitoring in which restricted pixels are read out from the image pickup device and moving image recording, wherein a driving mode of the image pickup device is so selected as to maintain a resolution obtainable at the
15 number of pixels in monitoring or that in recording moving images.
2. The digital still camera set forth in claim 1, wherein said driving mode comprises a draft mode in which a renewal rate of image planes is so set as to not hinder framing and a frame readout mode in which all pixels are read out; said image pickup device is driven in said draft mode
20 in said monitoring mode and moving image recording; the driving mode of the image pickup device is changed from the draft mode to the frame readout mode when the digital zooming is effected by said digitally zooming unit in said monitoring mode or moving image recording; and given pixels are selected as a digitally zoomed image plane from one field
25 read out in the frame readout mode.
3. The digital still camera set forth in claim 2, wherein said given pixels are selected taking a center thereof in conformity with that of the

one field.

4. The digital still camera set forth in claim 1, which comprises a clock pulse generator for generating clock pulses to drive said image pickup device and wherein when the driving mode of the image pickup device is changed, a frequency of the clock pulses is changed in such a manner that a renewal rate of the image planes may be kept at a given value.

5. The digital still camera set forth in claim 4, wherein the frequency of said clock pulses is changed only when the moving image recording is performed.

6. The digital still camera set forth in claim 4, wherein a level of photographic signals outputted from said image pickup device is made constant by changing the number of shuttering times of an electronic shutter in conformity with the frequency of the clock pulses.

7. The digital still camera set forth in claim 6, wherein said clock pulses are horizontally synchronizing signals.

8. The digital still camera set forth in claim 2, which comprises a clock pulse generator for generating clock pulses to drive said image pickup device and wherein when the driving mode of the image pickup device is changed, a frequency of the clock pulses is changed in such a manner that a renewal rate of the image planes may be kept at a given value.

9. The digital still camera set forth in claim 8, wherein the frequency of said clock pulses is changed only when the moving image recording is performed.

10. The digital still camera set forth in claim 8, wherein a level of photographic signals outputted from said image pickup device is made constant by changing the number of shuttering times of an electronic shutter in conformity with the frequency of the clock pulses.

11. The digital still camera set forth in claim 10, wherein aid clock pulses are horizontally synchronizing signals.

12. The digital still camera set forth in claim 3, which comprises a clock pulse generator for generating clock pulses to drive said image pickup device and wherein when the driving mode of the image pickup device is changed, a frequency of the clock pulses is changed in such a manner that a renewal rate of the image planes may be kept at a given value.

13. The digital still camera set forth in claim 12, wherein the frequency of said clock pulses is changed only when the moving image recording is performed.

14. The digital still camera set forth in claim 13, wherein a level of photographic signals outputted from said image pickup device is made constant by changing the number of shuttering times of an electronic shutter in conformity with the frequency of the clock pulses.

15. The digital still camera set forth in claim 14, wherein aid clock pulses are horizontally synchronizing signals.